

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. $33^{\circ} 54' 22''$ N.

LONG. E. FROM GREENWICH $35^{\circ} 28' 10''$

NOVEMBER, 1929

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NOVEMBER 1929

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm +..				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	61.9	64.1	64.7	64.6	25.3	20.9	23.1	23.7	22.6	23.1
2	4.7	3.5	3.0	3.7	24.9	20.6	23.2	23.8	22.3	23.1
3	2.9	1.3	1.5	1.9	24.6	19.4	22.1	24.3	21.8	22.7
4	1.6	0.8	0.6	1.0	25.0	18.8	23.2	24.3	22.2	23.2
5	1.6	0.7	0.4	0.9	26.4	18.6	22.9	23.9	21.1	22.6
6	60.8	59.3	60.0	60.0	25.2	19.4	23.9	24.3	22.2	23.5
7	1.1	60.7	1.1	1.0	25.0	18.0	22.3	23.6	20.5	22.1
8	2.8	1.2	2.9	2.3	24.5	17.9	21.1	25.2	22.1	22.1
9	3.9	2.8	5.6	4.1	24.2	17.3	22.9	23.4	21.9	22.7
10	6.4	5.1	5.7	5.7	24.1	18.2	22.1	22.6	21.9	22.2
11	64.4	62.8	62.4	63.2	23.9	18.1	22.9	23.4	20.2	22.2
12	0.8	0.3	1.4	0.8	25.1	19.3	23.2	23.4	19.5	22.0
13	1.6	0.2	0.3	0.7	25.3	18.2	22.4	23.1	20.3	21.9
14	0.4	59.9	1.0	0.4	23.6	17.6	21.5	23.0	19.1	21.2
15	0.8	9.6	0.5	0.3	23.3	17.3	21.3	22.1	18.0	20.5
16	62.1	61.0	62.0	61.7	23.6	17.7	21.8	22.3	20.4	21.5
17	3.2	2.6	4.0	3.3	23.0	16.9	19.8	21.8	18.7	20.1
18	4.7	3.6	4.0	4.1	22.2	16.6	21.0	21.4	20.7	21.0
19	3.5	2.4	3.1	3.0	22.3	18.0	20.6	22.6	21.7	21.6
20	2.6	1.5	2.1	2.1	22.9	20.2	22.4	25.0	21.1	23.8
21	62.0	61.0	60.9	61.3	26.4	19.5	22.5	23.3	20.6	22.1
22	1.2	59.7	0.3	0.4	24.8	19.4	21.1	22.2	20.2	21.2
23	1.2	60.4	2.3	1.3	23.4	18.3	20.5	22.3	18.9	20.6
24	2.2	1.8	2.7	2.2	22.7	16.9	21.4	21.8	18.6	20.6
25	3.2	2.0	2.5	2.6	22.6	16.7	20.1	20.4	19.8	20.1
26	60.1	58.0	56.9	58.3	21.2	16.2	19.7	21.1	18.4	19.7
27	55.3	4.0	5.2	4.8	21.6	16.2	16.3	16.1	16.3	16.2
28	7.8	7.0	7.6	7.5	20.2	14.4	18.1	18.7	13.9	16.9
29	4.7	4.5	4.3	4.5	19.4	13.6	13.9	12.8	12.8	13.2
30	6.1	5.7	7.4	6.4	19.4	11.7	15.2	17.6	15.2	16.0
	61.42	60.5	61.21	61.14	23.54	17.73	21.08	22.05	19.77	20.96

Barometer, Range for month 754.0-766.4 m.m.

„ 50-yr. average for month 762.86 m.m.

Thermometer, Range for month 11. 7-26. 4

„ 50-yr. average for month 19. 68

Rain, total for month 100.08 m.m.

„ , 50-yr average for month 135.13m.m.

„ , total. Sept. 1st to end of month 133.15m.m.

„ , 50-yr average, Sept. 1st to end of month. 195.08m.m.

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METEOROLOGICAL REGISTER

Date	Wet Bulb Cent			Elasticity of Vapor m.m.				Relative Moisture per cent.				Sun	Rain
	8:30	14:30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	hrs.	m.m.
1	20.2	21.3	21.1	15.5	16.9	17.3	16.6	73	77	85	78	9.8	
2	20.6	21.4	20.9	16.1	17.0	17.3	16.8	76	76	87	80	9.8	
3	20.9	21.2	19.4	17.4	16.3	15.0	16.2	89	73	77	80	9.6	
4	20.2	21.1	19.7	15.4	16.1	15.2	15.6	73	73	77	74	10.1	
5	19.1	19.3	18.7	17.3	13.5	14.4	15.1	66	61	77	68	9.6	
6	19.4	20.1	18.8	13.7	14.5	13.8	14.0	62	65	69	65	5.6	
7	17.3	18.6	18.3	11.9	12.7	14.0	12.9	59	58	78	65	7.0	
8	16.2	17.1	17.7	10.7	10.9	12.2	11.3	57	51	61	56	5.8	
9	16.7	17.6	17.6	10.6	11.6	12.2	11.5	51	54	62	56	9.6	
10	16.9	16.9	17.5	11.3	11.7	12.8	11.9	57	57	65	60	9.4	
11	15.9	18.7	14.7	9.7	13.0	9.4	10.7	46	61	53	53	9.8	
12	17.5	19.1	17.2	11.5	13.5	13.0	12.7	55	63	77	65	9.2	
13	17.7	17.6	16.6	12.1	11.6	11.5	11.7	60	55	64	60	6.0	
14	17.1	16.8	15.3	11.7	10.7	10.7	11.0	61	51	65	59	8.0	0.71
15	16.3	17.6	16.0	10.8	12.1	11.9	11.6	57	60	75	64	9.0	
16	16.9	18.4	18.3	11.4	13.2	14.1	12.9	58	66	79	68	7.2	
17	16.3	17.6	16.6	11.6	12.5	12.6	12.2	67	64	78	70	7.6	1.02
18	16.7	18.1	18.3	11.4	13.2	13.9	12.8	62	69	76	69	8.6	
19	16.8	16.9	18.6	11.8	11.1	13.8	12.2	65	54	71	63	7.2	
20	19.1	20.6	19.9	14.0	14.9	16.5	15.3	70	63	88	74	8.0	
21	17.6	19.1	13.6	11.8	13.5	10.2	11.9	57	63	56	59	6.8	
22	17.6	20.7	18.3	13.5	17.0	14.7	15.1	72	86	81	80	0.0	
23	18.4	17.5	17.1	14.1	11.9	12.1	12.7	80	59	67	69	7.6	
24	16.4	17.9	16.8	11.0	12.7	13.0	12.2	57	65	82	68	9.4	
25	16.1	17.1	17.1	11.2	12.3	12.6	12.0	64	70	73	69	9.2	
26	15.6	17.8	17.2	10.6	13.0	13.6	12.4	62	70	87	73	8.5	
27	15.7	15.6	14.9	12.8	12.8	11.7	12.4	93	94	85	91	0.0	13.38
28	15.5	15.8	13.1	11.5	11.6	10.7	11.3	75	72	89	79	6.6	18.09
29	13.9	12.0	10.8	11.0	10.0	8.6	9.9	93	91	78	87	0.0	55.50
30	13.5	14.9	12.6	10.5	10.9	9.3	10.2	82	72	73	76	5.2	11.38
	17.27	18.21	17.16	12.46	13.09	12.94	12.84	66.6	69.4	74.6	69.3	7.34	3.33

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m

Rim of Rain Gauge: above ground 0.56 m.: above sea level 30.31 m.

Time of readings minus 2 hours equals G. C. T.

50-yaer averages are for period, 1875-1924

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METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Km.		
1	1cu	0	0	0.3	1e	1ne	1ne	108.1	light	
2	1cu	6strci	0	2.3	1ne	1ne	1n	110.7	"	
3	0	0	0	0.0	0	0	0	53.1	calm	lv.dew.
4	1cu	0	0	0.3	0	0	2sw	211.6	light	
5	0	2str	1ci	1.0	1sw	1n	0	241.4	"	
6	6ci cu	6ci	0	4.0	1se	1ne	1e	201.9	"	
7	8ci	8strci	0	5.3	0	1sw	0	256.1	"	
8	4ci	3streu	0	2.3	0	1se	2ne	85.2	calm	
9	0	0	0	0.0	0	1	1e	96.9	calm	
10	0	0	8strci	2.7	0	1n	2ne	75.9	calm	
11	0	0	0	0.0	0	1e	0	64.4	calm	
12	2str ci	0	0	0.7	0	1nw	0	52.5	calm	
13	2cu	6nicu	8ni	5.3	1s	2s	1s	406.3	mod.	tr. rain
14	4str cu	1cu	1cu	2.0	3s	2s	1s	411.8	mod.	
15	1str cu	8ci	0	3.0	0	2se	0	187.5	light	
16	1cu	3ci cu	6strni	3.3	0	1sw	1s	230.7	light	
17	6str cu	1str	2streu	3.0	0	1nw	0	200.6	light	
18	0	1cu	0	0.3	0	2ne	2n	115.8	light	
19	6ci	0	0	2.0	1se	0	0	56.3	calm	
20	1str	0	0	0.3	0	0	1se	78.1	"	
21	6ci	4ci	0	3.3	0	1ne	0	145.0	"	
22	0ci	6str ci	4ci cu	6.7	0	0	1s	92.7	"	
23	3ci cu	1cu	6nicu	3.3	1sw	2sw	1s	315.7	mod.	tr. rain
24	6str cu	2streu	1str	3.0	0	2sw	0	309.2	mod.	
25	2str	1cu	0	1.0	0	1sw	1ne	110.2	light	
26	1cu	2cistr	0	1.0	0	0	0	63.6	calm	haze .m.
27	10ni	10ni	10ni	10.0	2s	2s	1s	295.8	mod.	
28	1cu	10ni	10ni	7.0	0	2s	2s	273.9	mod.	
29	10ni	10ni	10ni	10.0	2se	2s	2s	659.8	slight	t l.r.d.d.n.
30	8ni	4streu	0	4.0	3s	3nw	2nw	576.2	slight	
				2.93				202.90		

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	1	1	3	4	2	0	0	19
14:30	2	5	1	3	5	5	0	3	6
20:30	2	4	2	1	8	0	0	1	12
Totals	4	10	4	7	17	7	0	4	37

Number of days with rain 6, fog 0, thunderstorms 1, gales 0.
50-yr average number of days with rain during month 13.4